

FIG. 1

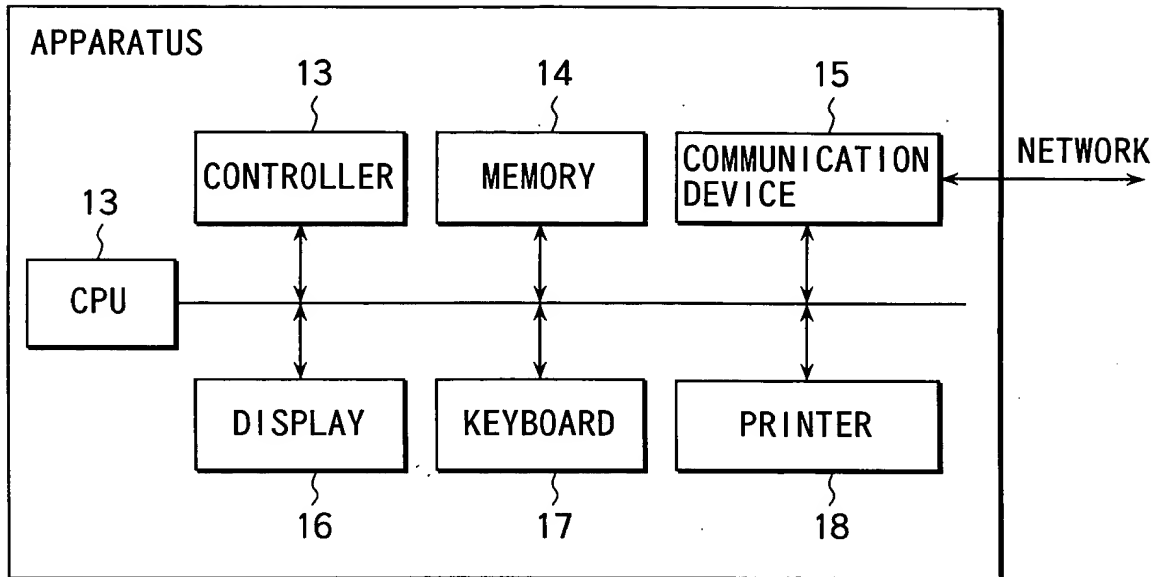


FIG.2

PROCEDURE FOR REGISTERING  
KEY RECOVERY AGENT IN  
CERTIFICATE AUTHORITY

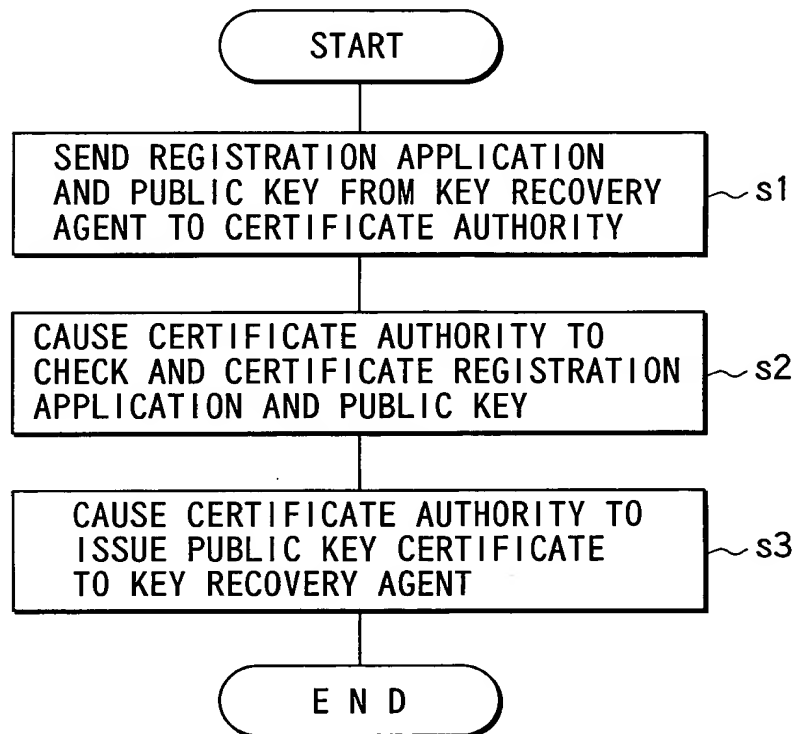


FIG.3

KRA: KEY RECOVERY AGENT  
CA : CERTIFICATE AUTHORITY

PROCEDURE FOR ALLOWING  
USER TO REGISTER KRA

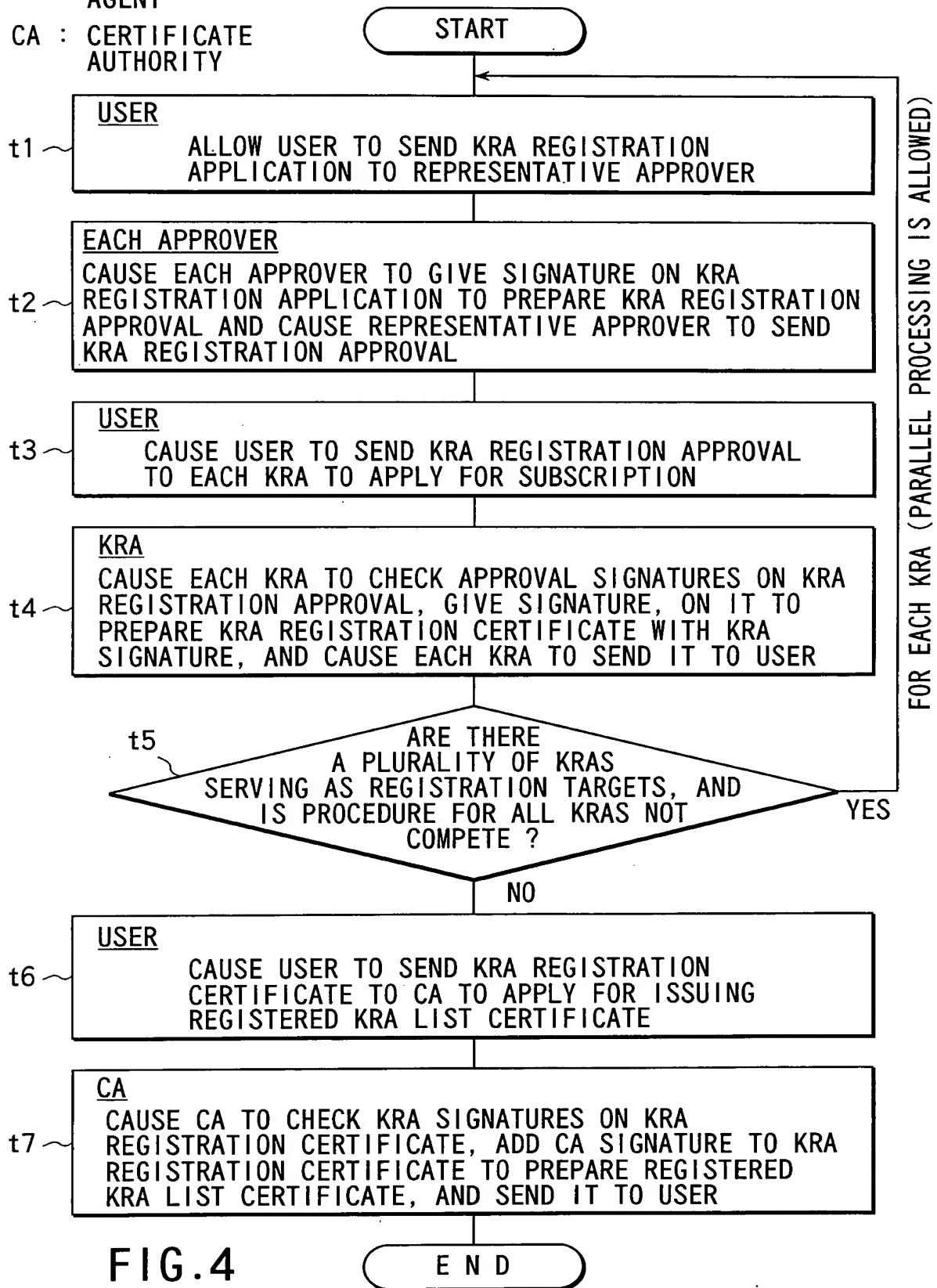


FIG.4

REGISTERED INFORMATION TABLE 21

ID OF USER, APPROVER, AND KEY RECOVERY AGENT	PUBLIC KEY WITH SIGNATURE OF CERTIFICATE AUTHORITY	AGENT LIST REGISTERED BY USER
<div> <div>USER #1</div> <div>USER #2</div> <div>...</div> <div>APPROVER <math>\alpha</math></div> <div>APPROVER <math>\beta</math></div> <div>...</div> <div>AGENT A</div> <div>AGENT B</div> <div>...</div> </div>	<div> <div>○○○○</div> <div>××××</div> <div>...</div> <div>△△△△</div> <div>□□□□</div> <div>...</div> <div>* * * *</div> <div>▽▽▽▽</div> <div>...</div> </div>	<div> <div>A, B, C,</div> <div>B, D, G, H</div> <div>...</div> <div>NONE</div> <div>NONE</div> <div>...</div> <div>NONE</div> <div>NONE</div> <div>...</div> </div>

FIG.5

RECEPTION/TRANSMISSION OF CIPHER MESSAGE

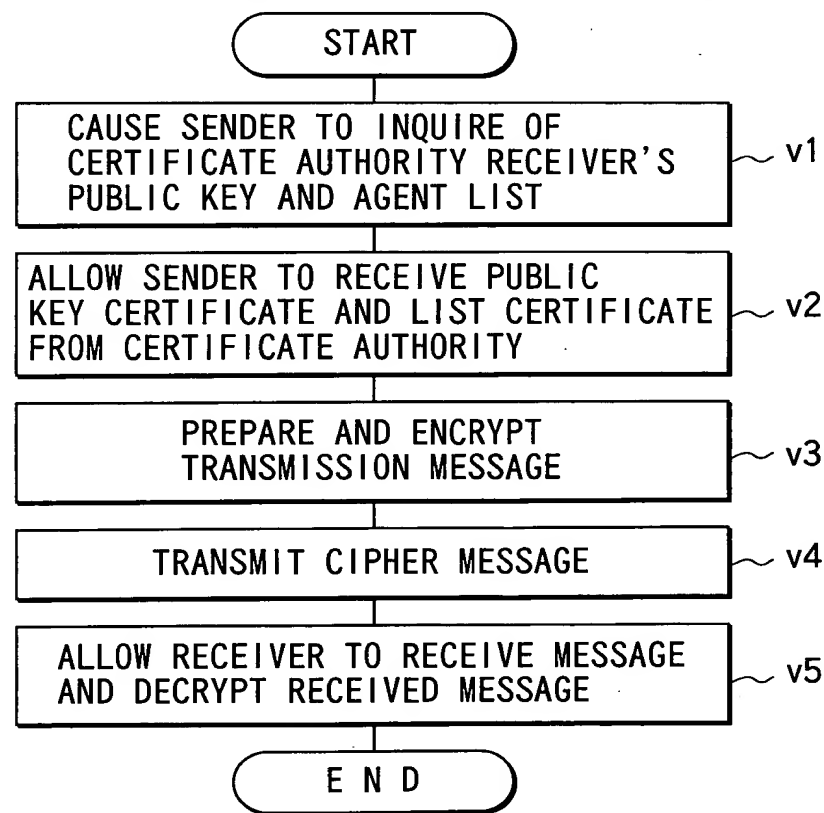
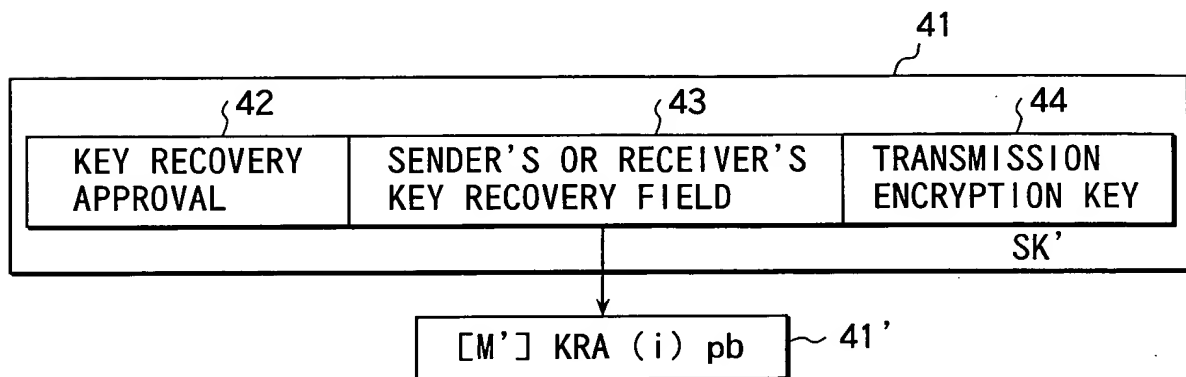
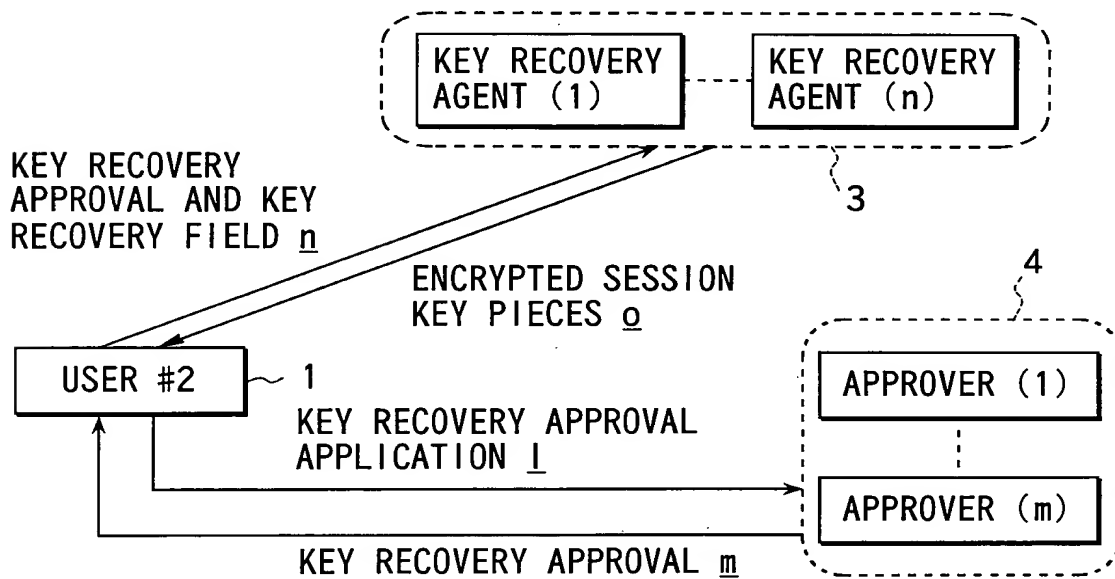
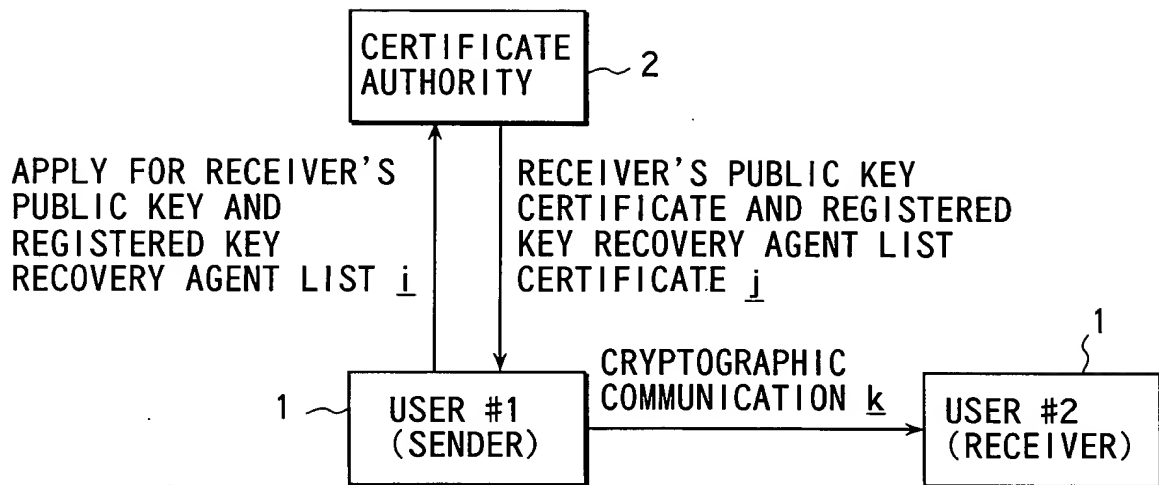


FIG.6





PROCEDURE FOR KEY RECOVERY BY SENDER OR RECEIVER

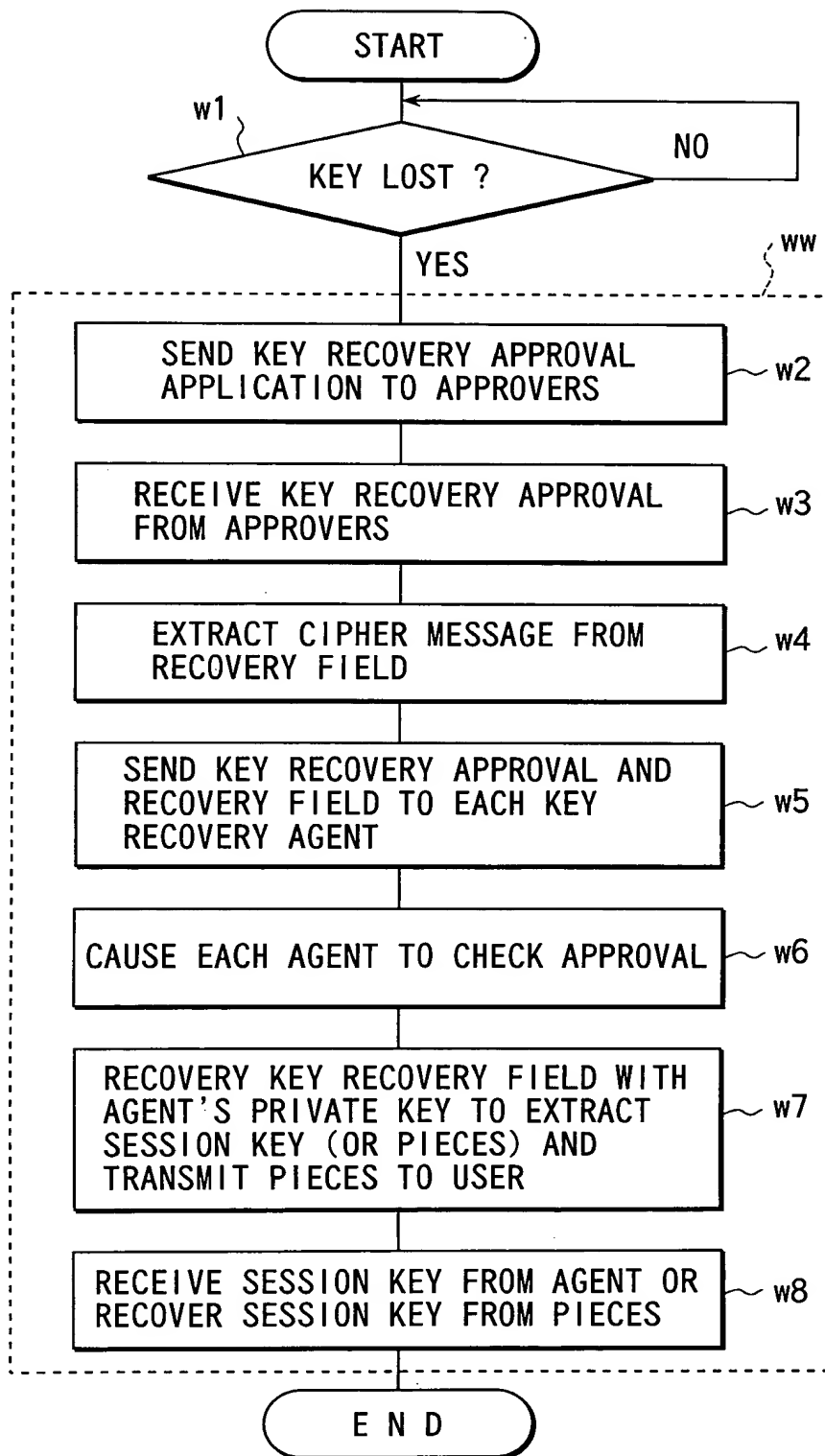


FIG.9

# PROCEDURE FOR RECOVERING KEY BY THIRD PARTY

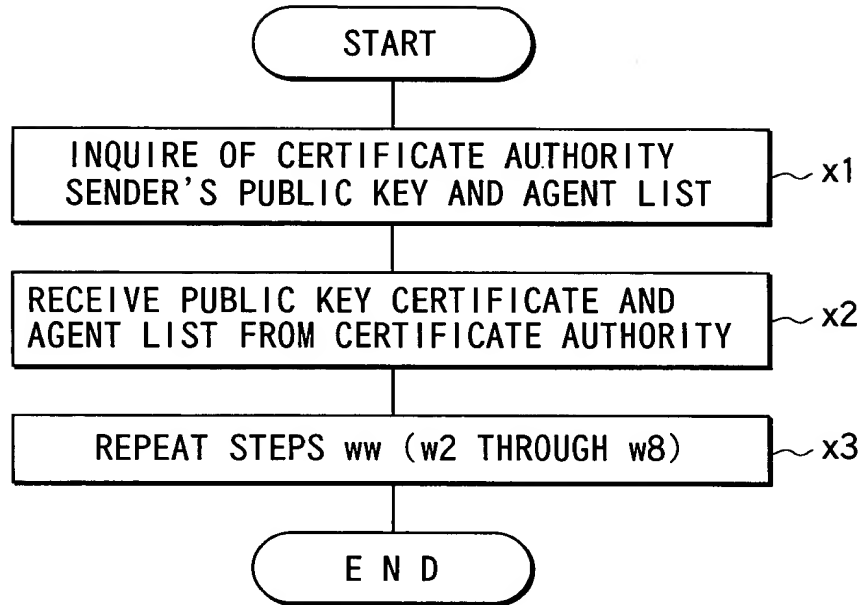


FIG.12

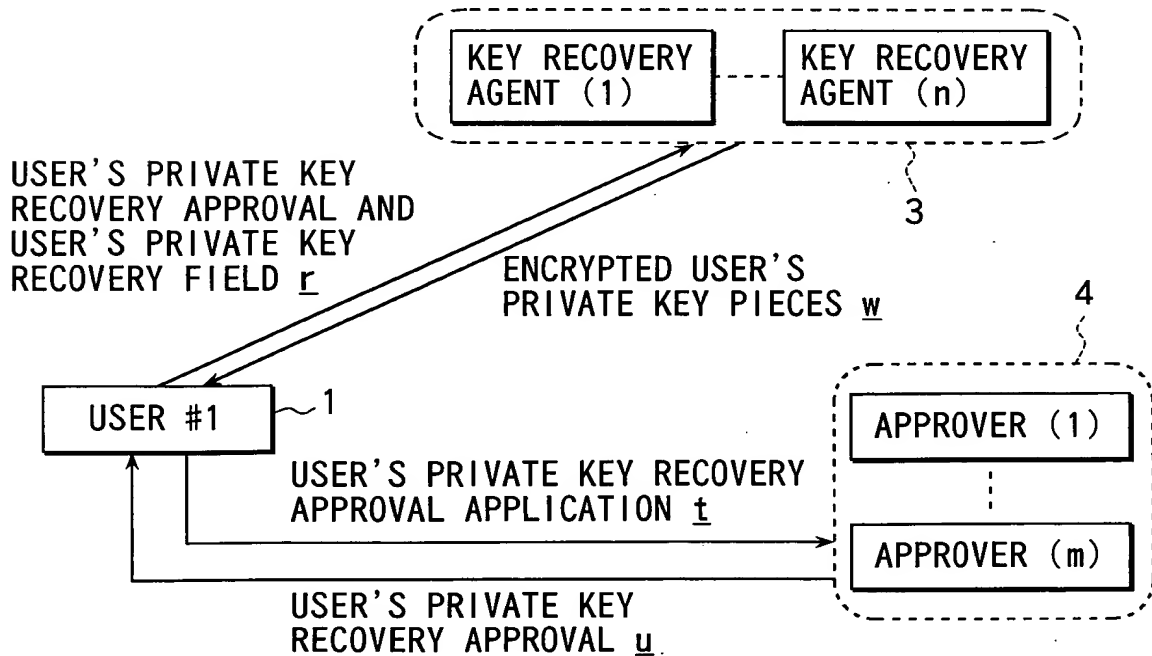


FIG.13